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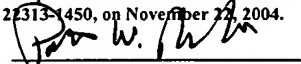
PATENT  
ATTY. DKT. NO. 20459-112

## THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Masatake Nukui :  
Serial No.: 10/817,222 : Art Unit: 2882  
Filed: April 2, 2004 : Examiner:  
For: METHOD AND APPARATUS FOR IMAGE :  
RECONSTRUCTION AND X-RAY CT :  
IMAGING APPARATUS :

CERTIFICATE OF MAILING

I certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS MAIL in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 22, 2004.

  
Patrick W. Rasche, Reg. No. 37,916

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

- ☒ 1. A list of documents on Form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

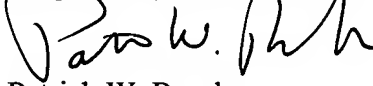
This paper is submitted in accordance with:

- ☒ 2. 37 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office Action, on the merits, or prior to first office action after filing an RCE]
- ☐ 3. 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ a. The required Certification made in item 5 below; or

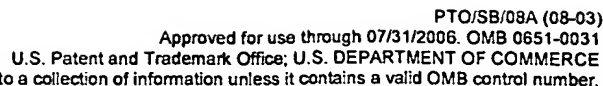
- ☐ b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
- ☐ 4. 37 CFR 1.97(d): [on or before issue fee payment]; and
- ☐ a. The required Certification is stated in item 5 below; and
- ☐ b. The \$180.00 fee specified in 37 C.F.R. 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
- ☒ 5. Certification
- ☒ a. Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ b. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☐ 6. Payment of all applicable fees:
- ☒ Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 01-2384.
- ☐ Enclosed is a check in the amount of \$\_\_\_\_\_ in payment of all applicable fees associated with the submittal of this Information Disclosure Statement.

This document is submitted in duplicate.

Respectfully Submitted,



Patrick W. Rasche  
Attorney Name, Reg. No. 37,916  
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One Metropolitan Square, Suite 2600  
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(314) 621-5070



Substitute for form 1449/PTO

*(Use as many sheets as necessary)*

**Complete if Known**

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|------------------------|----------------|
| Application Number     | 10/817,222     |
| Filing Date            | April 2, 2004  |
| First Named Inventor   | Masatake Nukui |
| Art Unit               |                |
| Examiner Name          |                |
| Attorney Docket Number | 16CT03012      |

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| Sheet | 1 | of | 2 |
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

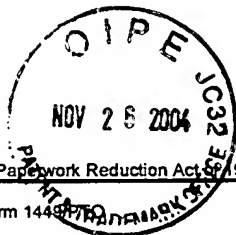
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| Examiner<br>Signature |  | Date<br>Considered |  |
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

|                        |                |
|------------------------|----------------|
| Application Number     | 10/817,222     |
| Filing Date            | April 2, 2004  |
| First Named Inventor   | Masatake Nukui |
| Art Unit               |                |
| Examiner Name          |                |
| Attorney Docket Number | 16CT03012      |

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | OA                    | LAIGAO CHEN ET AL: "Novel method for reducing high-attenuation object artifacts in CT reconstructions", February 24, 2002, pages 841-850, Vol. 4684-ISSN: 0277-786X   | ✓              |
|                    | OB                    | KLOTZ ET AL: "ALGORITHMS FOR THE REDUCTION OF CT ARTEFACTS CAUSED BY METALLIC IMPLANTS", February 2002, pages 642-650, Vol. 1234-ISSN: 0277-786X, Bellingham, VA  | ✓              |
|                    | OC                    | International Search Report, EP Office, 3 pages, March 11, 2004   | ✓              |
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Examiner  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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